

	A	B	C	D
1				
2			<b>DRAFT</b>	<b>Osborn et al., 2011</b>
3				<b>Ctskl Act.;Non;Prev</b>
4		<b>Chemical/Analyte</b>		<b>mg/L</b>
5		Methane		
6		Bromide		
7		Benzene		
8		Ethylbenzene		
9		Toluene		
10		Xylene (total)		
11		Arsenic		
12		Barium		
13		Boron	0.093+-0.167; 0.042+-0.043; NA	
14		Calcium	31+-13; 27+-9; 29+-11 (x1000)	
15		Chloride	11+-12; 17+-40; 13+-42 (x1000)	
16		Iron		
17		Magnesium		
18		Manganese		
19				
20		Potassium		
21		Sodium	23+-30; 17+-25; 21+-37 (x1000)	
22				
23		Strontium		
24				
25		* Unless otherwise noted, values are the median dissolved concentration from Boyer et al. 2011: The Center for Rural Pennsylvania October 2011 study, "The Impact of Marcellus Gas Drilling on Rural Drinking Water Supplies".		
26		n = number of wells sampled		

	A	B	C	D
27			Osborn et al study 2011 provided water quality data	
28			Act = active Catskill formation	
29			Non= non active Catskill formation	
30			Prev = Previous studies of Catskill Formation	

	E	F	G
1	Boyer et al study 2011*		
2	Background	Background Maximum Detection	Catskill Formation in Bradford, Potter and Tioga Counties
3	Median Level (n)		Median level
4	ug/L	ug/L	ug/L
5	10 (189)	5,830	
6	<100 (56)	22	
7	ND (95)		
8	ND (95)		
9	ND (95)		
10	ND (95)		
11	2.5	27.7	
12	130 (218)	7,380	
13			
14	36,160 (130)	220,800	
15	5,900 (226)	371,000	
16	50 (222)	20,460	
17	6,980 (140)	70,000	
18			
19	10 (203)	6,640	30
20	1,270 (107)	4,060	
21			
22	10,890 (200)	480,000	
23			
24	280 (136)	3,510	
25			
26			

	E	F	G
27			
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